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## REMARKS

The Official Action, dated June 17, 2004, has been received and its contints carefully noted. In view thereof, filed concurrently herewith is a Request for Continued examination. Along with the foregoing Preliminary Amendment wherein claim 9 has been cincelled and claims 8, 10 and 11 have been amended. Accordingly, it is respectfully requested that the foregoing amendments be entered and fully considered by the Examiner. Furthermore, claims 8 and 10-14 are presently pending in the instant application.

With reference now to the Official Action, it is noted that claims 8-12 have been subjected only to rejections under 35 U.S.C. 112, first and second paragraph, and the claims have not been rejected based on prior art. In this regard, with reference to page 2 of the Office Action, claims 8-14 have been rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. Specifically, the Examiler is of the position that the claims contain subject matter which was not described in the specification in such way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention.

Specifically, the Examiner is unable to find support for the step success rely heating while reducing the pressure as recited in claim 8 or a step of feeding while educing the pressure. In this regard, as can be seen from the foregoing amendments, each of claims 8 and 11 have been amended in order to delete reference to be term "successively". Independent claim 8 is directed to a method for manufacturing an optical fiber preformed using a rod-intub method comprising the steps of a) inserting a glass rod into a glass pipe and setting a pressure reduction level in the glass pipe, b) heating the glass pipe and the glass rod in a longitudinal direction and c) causing the glass pipe to collapse in the longitudinal direction NVA305162.1

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due to the heating, and elongating the unified glass pipe and glass rod in the longitudinal direction until the outer diameter of the glass pipe becomes a predetermined diameter, wherein in the step c), a position at which the glass pipe and/or the glass rod and elongated is longitudinally upstream of a position at which the glass pipe is caused to colli psed on the glass rod, and further in the step c) the pressure reduction level is set so as 1, satisfy the equation 0.1 is less than or equal to Ll/(Ll+L2) less than or equal to 0.8, where L1 is length from the position at which the glass pipe and/or the glass rod are elongated to the position at which the glass pipe is caused to collapse on the glass rod, and L2 is the length from the position at which the glass pipe is caused to collapse on the glass rod to a position at which the outer diameter of the glass pipe becomes a predetermined diameter. It is respectfully submitted that Applicants' claimed invention as set forth in independent claim 8 is clearly supported by Applicants' specification.

Specifically, the Examiner's attention is directed to page 11, line 28, to page 12, line 2, wherein it is stated that the inventors have found that optimum manufacturing conditions can be set if the distance with respect to the longitudinal direction of the glass pose and glass rod is utilize instead of regulating the above mention pressure reduction level. Further, on page 23, line 12, to page 24, line 1, page 24, lines 7-10 and Figures 1, 2 and 4 of the present application clearly set forth support the steps set forth in claim 8 as amended.

In accordance with the foregoing amendments, independent claim is has been amended in order to clarify that in the step of causing the glass pipe to collapse and elongating the unified glass pipe and glass rod, the position at which the glass pipe and/or the glass rod are elongated is above the position at which the glass pipe is caused to collapse onto the glass rod. Furthermore, independent claim 8 has been amended in order to specifically set forth that the pressure reduction level in the glass pipe is set to satisfy the production determined NVA305162.1

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equation. As the Examiner notes, in the sentence spanning pages 24 and 25, with reference to Figure 4, a value of L1/(L1+L2) was changed by altering the pressure reduction level within the glass pipe 1. Furthermore, with reference to page 26 of the specification it s noted that Figure 8 is a diagram based on Figures 4 and 5 in which the value of L1/(L1+l, 2) is plotted along the horizontal axis, and the number of bubbles formed in the optical fiber preform and the amount of the core eccentricity of the optical fiber plotted along the vertical axis. From Figure 8, it can be seen that if the value of L1/(L1+L2) is at least 0.1 and not r1 ore that 0.8, then the formulation of bubbles and core eccentricity are both prevented. Accordingly, it is respectfully submitted that support is clearly provided for that which is presently set forth by Applicants' claimed invention in independent claim 8 wherein the pressure reduction level is set to satisfy the equation 0.1 is less than or equal to L1/(L1+L2) less than or equal to 0.8. Accordingly, in view of the foregoing comments it is respectfully submitted that Applicants' claimed invention has set forth in independent claim 8 is clearly supported by the specification and in proper condition for allowance.

With reference now to independent claim 11, this claim recites a method for manufacturing an optical fiber preform using a rod-in-tube method comprising the steps of a) inserting a glass rod into a glass pipe and adjusting a pressure reduction level in the glass pipe, feeding the glass pipe and the glass rod in a longitudinal direction into a heating furnace and causing the glass pipe to collapse in the longitudinal direction due to the beating of the glass pipe and the glass rod in the longitudinal direction in the step b) and elengating the unified glass pipe and glass rod in the longitudinal direction until the outer diameter of the glass pipe becomes a predetermined diameter, wherein a cross section area of the glass rod is smaller than a cross section area required for the glass pipe and the step of feeding is performed so as to satisfy the equation 1 is less than  $V_R/V_P$  which is less than  $C_F$  equal to 2, NVA305162.1

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where V<sub>R</sub> is the feed rate of the glass rod and V<sub>P</sub> is the feed rate of the glass pipe. Accordingly, as can be seen from the foregoing amendments, independent claim i 1 no longer recites feeding the glass pipe and glass rod while reducing the pressure. Furthern ore, support for independent claim 11 as amended is clearly found at page 23, line 12, to page 24 line 1, page 28, lines 13-41 and Figures 1, 10 and 16 of the presence specification. Accordingly, it is respectfully submitted that Applicants' claimed invention is clearly supportive by the specification as originally found and no new matter has been added.

With reference to page 4 of the Office Action, claims 8-14 have been rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants' regard as the invention. At can be seen from the foregoing Amendments, those instances of indefinites noted by the Examiner have been amended and/or removed, consequently, it is respectfully submitted that Applicants' claimed invention has set forth in each of independent claims 8 and 11 as well as hose claims which depend therefrom are in proper formal condition for allowance.

With respect the use of the term "and/or", in independent 8, this phrase (; utilized in referring to the position of the glass pipe and/or glass rod. It is respectfully submitted that independent claim 8 particularly points out distinctively claims of subject reatter which Applicants' regards as the invention in that it is clear from the claimed invention that it is a position at which the glass pipe and/or the glass rod are/is elongated is longitudical upstream from a position in which the glass pipe is caused to collapse on the glass rod. Act ordingly, it is respectfully submitted that Applicants' claimed invention as set forth in each of independent claims 8 and 11 as well as those claims which depend therefrom are now in proper formal condition for allowance.

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Further on page 5 of the Office Action the specification has been objected to as failing to provide proper antecedent basis for the claimed subject matter. Particularly, he Examiner of the position that there is no mention of the "successively" feeding, he collapse "successively" or the "successively" elongating as recited in the claims. As can be seen from the foregoing Amendments, reference to the term "successively" has been removed from each of independent claims 8 and 11, and consequently noted it is respectfully st bmitted that the specification are now in proper formal condition for allowance.

Therefore, in view of the foregoing, it is respectfully requested that the oljections and rejections of record be reconsidered and withdrawn by the Examiner, that claims 8 and 10-14 be allowed and that the application be passed to issue.

Should the Examiner believe a conference would be of benefit in expediting the prosecution of the instant application, he is hereby invited to telephone counsel to arrange such a conference.

Respectfully submitted,

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